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Calculated for  $C_{29}H_{38}N_4O_9S_1 \cdot 0.33 CF_3COOH$ : C, 54.26; H, 5.88; N, 8.53.

Found: C, 54.26; H, 5.93; N, 8.55.

## EXAMPLE 3b

5 3-[2-(2-Benzoyloxycarbonylamino-4-carboxy-butyrylamino)-3-methyl-  
butyrylamino]-4-oxo-5-(2-phenyl-ethanesulfonylamino)-pentanoic acid

## EXAMPLE 3c

3-{2-[4-Carboxy-2-(3-phenyl-propionylamino)-butyrylamino]-3-methyl-  
butyrylamino}-4-oxo-5-(2-phenyl-ethanesulfonylamino)-pentanoic acid  
10 Calculated for  $C_{32}H_{42}N_4O_{10}S_1 \cdot 0.24 CF_3COOH$ : C, 55.56; H, 6.06; N, 7.98.  
Found: C, 55.56; H, 6.23; N, 8.07.

## EXAMPLE 3d

3-(2-{2-[2-Acetyl-amino-3-(4-hydroxy-phenyl)-propionylamino]-4-carboxy-  
butyrylamino}-3-methyl-butylamino)-4-oxo-5-(2-phenyl-ethanesulfonylamino)-  
pentanoic acid

15 The following compounds were prepared according to the procedure of  
Example 2a from the corresponding protected di, tri or tetrapeptide  
bromomethylketones and tert-butyl[7,7-dimethyl-2-oxo-bicyclo[2.2.1]hept-1-  
ylmethanesulfonyl]carbamate:

## EXAMPLE 4a

20 3-(2-Acetyl-amino-3-methyl-butylamino)-5-(7,7-dimethyl-2-oxo-  
bicyclo[2.2.1]hept-1-(S)-ylmethanesulfonylamino)-4-oxo-pentanoic acid  
MS (AP<sup>+</sup>): 502.

IR (KBr,  $cm^{-1}$ ): 3338, 2965, 1738, 1653, 1540, 1395, 1328, 1148.